

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20020082666".PN.	US-PGPUB; USPAT	OR	ON	2010/08/18 09:42
S2	5	("6592245" "6468433" "6555011" "7683344" "7560704").PN.	US-PGPUB; USPAT	OR	ON	2010/08/18 09:52
S3	46	(Tribelsky-Zamir Rozenberg-Ytzhak Levy-Uri Rabani-Joseph).IN.	US-PGPUB; USPAT	OR	ON	2010/08/18 10:16
S4	161	(Tribelsky Rozenberg Levy Rabani).IN. and quartz and (light radiat\$4 UV ultraviolet)	US-PGPUB; USPAT	OR	ON	2010/08/18 12:35
S5	46	(Tribelsky-Zamir Rozenberg-Ytzhak Levy-Uri Rabani-Joseph).IN.	US-PGPUB; USPAT	OR	ON	2010/08/18 12:36
S6	140	S4 not S5	US-PGPUB; USPAT	OR	ON	2010/08/18 12:36
S7	1	(Tribelsky Rozenberg Levy Rabani).IN. and quartz and (134/1 134/1.3).ccls.	US-PGPUB; USPAT	OR	ON	2010/08/18 13:01
S8	2	(Tribelsky Rozenberg Levy Rabani).IN. and (134/1 134/1.3).ccls.	US-PGPUB; USPAT	OR	ON	2010/08/18 13:01
S9	2173	(134/1).ccls.	US-PGPUB; USPAT	OR	ON	2010/08/18 13:02
S11	6	("Atlantium Technologies" Atlantium).AS.	US-PGPUB; USPAT	OR	ON	2010/08/18 13:03
S12	3	("3302655" "5368815" "6555011").PN.	US-PGPUB; USPAT	OR	ON	2010/08/18 13:06
S13	4	("3302655" "5368815" "6555011").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/18 13:06
S14	405	(134/1).ccls. and quartz	US-PGPUB; USPAT	OR	ON	2010/08/18 14:20
S15	2	("5925885" "3672823").PN.	US-PGPUB; USPAT	OR	ON	2010/08/18 14:55
S16	3	("5925885" "3672823").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/18 14:57
S17	1	S16 not S15	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/18 14:57
S18	1	"20020079271".PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/18 15:00
S19	393	"433".clas. and ((sonic ultrasonic megasonic acoustic vibrat\$4) same (light UV ultraviolet IR infrared))	US-PGPUB; USPAT	OR	ON	2010/08/19 08:44
S20	1	"7104794".PN.	US-PGPUB; USPAT	OR	ON	2010/08/19 08:54

## EAST Search History (Prior Art)

S21	9849	((sonic ultrasonic megasonic acoustic vibrat\$4) same (light UV ultraviole IR infrared)) and wound	US-PGPUB; USPAT	OR	ON	2010/08/23 08:13
S22	234	((sonic ultrasonic megasonic acoustic vibrat\$4) same (light UV ultraviole IR infrared)) and (wound with clean\$4)	US-PGPUB; USPAT	OR	ON	2010/08/23 08:14
S23	393	"433".clas. and ((sonic ultrasonic megasonic acoustic vibrat\$4) same (light UV ultraviole IR infrared))	US-PGPUB; USPAT	OR	ON	2010/08/23 08:14
S24	233	S22 not S23	US-PGPUB; USPAT	OR	ON	2010/08/23 08:14
S25	1494	"422".clas. and ((sonic ultrasonic megasonic acoustic vibrat\$4) same (light UV ultraviole IR infrared))	US-PGPUB; USPAT	OR	ON	2010/08/23 08:56
S26	1479	S25 not (S22 S23)	US-PGPUB; USPAT	OR	ON	2010/08/23 08:57
S27	583	S26 and (wound disinfect\$4 kill\$4 steriliz\$4 microorganism44 bacteria)	US-PGPUB; USPAT	OR	ON	2010/08/23 09:37
S28	1	"6761729".PN.	US-PGPUB; USPAT	OR	ON	2010/08/23 09:42

## EAST Search History (Prior Art)

S29	134	("3275059"   "3392916"   "3561444"   "3860173"   "4052004"   "4085893"   "4153201"   "4251031"   "4271705"   "4294407"   "4301093"   "4301968"   "4309989"   "4319155"   "4334531"   "4352459"   "4428531"   "4466571"   "4530360"   "4541564"   "4582654"   "4619400"   "4642581"   "4655393"   "4659014"   "4679551"   "4726523"   "4726525"   "4733820"   "4756478"   "4783003"   "4790479"   "4793339"   "4850534"   "4877989"   "4905671"   "4930700"   "4941618"   "4961885"   "5002059"   "5040537"   "5063922"   "5076266"   "5104042"   "5115805"   "5134993"   "5163433"   "5172692"   "5186162"   "5197946"   "5211160"   "5231975"   "5269291"   "5315998"   "5316000"   "5318014"   "5323769"   "5324255"   "5345940"   "5347998"   "5362309"   "5374266"   "5380411"   "5393296"   "5437606"   "5515841"   "5515842"   "5516043"   "5520166"   "5520612"   "5527350"   "5529572"   "5545124"   "5551416"   "5554172"   "5556372"   "5573497"   "5616140"   "5626554"   "5643179"   "5656016"   "5658323"   "5699805"   "5707402"   "5707403"   "5730705"   "5735811"   "5743863"   "5752924"   "5762616"   "5785972"   "5835678"   "5843139"   "5879314"   "5879364"   "5882302"   "5894841"   "5947921"   "5960792"   "5989245"   "6001069"   "6014970"   "6024718"   "6026808"   "6027495"   "6041253"   "6061597"   "6076519"   "6083159"   "6095141"   "6098620"   "6102298"   "6106547"   "6113558"   "6113570"   "6158431"   "6176839"   "6186963"   "6190315"   "6190336"   "6206842"   "6206843"   "6231528"   "6234990"   "6251099").PN. OR ("6273864"   "6321109"   "6322527"   "6325769"   "6413255"   "6423076"   "RE36939").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/23 09:42
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## EAST Search History (Prior Art)

S30	55	(("3275059"   "3392916"   "3561444"   "3860173"   "4052004"   "4085893"   "4153201"   "4251031"   "4271705"   "4294407"   "4301093"   "4301968"   "4309989"   "4319155"   "4334531"   "4352459"   "4428531"   "4466571"   "4530360"   "4541564"   "4582654"   "4619400"   "4642581"   "4655393"   "4659014"   "4679551"   "4726523"   "4726525"   "4733820"   "4756478"   "4783003"   "4790479"   "4793339"   "4850534"   "4877989"   "4905671"   "4930700"   "4941618"   "4961885"   "5002059"   "5040537"   "5063922"   "5076266"   "5104042"   "5115805"   "5134993"   "5163433"   "5172692"   "5186162"   "5197946"   "5211160"   "5231975"   "5269291"   "5315998"   "5316000"   "5318014"   "5323769"   "5324255"   "5345940"   "5347998"   "5362309"   "5374266"   "5380411"   "5393296"   "5437606"   "5515841"   "5515842"   "5516043"   "5520166"   "5520612"   "5527350"   "5529572"   "5545124"   "5551416"   "5554172"   "5556372"   "5573497"   "5616140"   "5626554"   "5643179"   "5656016"   "5658323"   "5699805"   "5707402"   "5707403"   "5730705"   "5735811"   "5743863"   "5752924"   "5762616"   "5785972"   "5835678"   "5843139"   "5879314"   "5879364"   "5882302"   "5894841"   "5947921"   "5960792"   "5989245"   "6001069"   "6014970"   "6024718"   "6026808"   "6027495"   "6041253"   "6061597"   "6076519"   "6083159"   "6095141"   "6098620"   "6102298"   "6106547"   "6113558"   "6113570"   "6158431"   "6176839"   "6186963"   "6190315"   "6190336"   "6206842"   "6206843"   "6231528"   "6234990"   "6251099").PN. OR ("6273864"   "6321109"   "6322527"   "6325769"   "6413255"   "6423076"   "RE36939").PN.) and (light UV ultraviolet IR infrared)	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/23 09:55
S31	4	("6761729").URPN.	USPAT	OR	ON	2010/08/23 10:02
S32	736	(disinfect\$4 kill\$4 steriliz\$4 microorganism44 bacteria) and ((UV ultraviolet infrared IR laser) with quartz with (liquid water solution fluid))	US-PGPUB; USPAT	OR	ON	2010/08/23 10:45
S33	1	"4834948".PN.	US-PGPUB; USPAT	OR	ON	2010/08/23 10:52
S34	31	"134".clas. and ((UV ultraviolet infrared IR laser) with quartz with (liquid water solution fluid))	US-PGPUB; USPAT	OR	ON	2010/08/23 15:16

## EAST Search History (Prior Art)

S35	515	"134".clas. and ((sonic ultrasonic megasonic acoustic vibrat\$4) same (light UV ultraviole IR infrared))	US-PGPUB; USPAT	OR	ON	2010/08/23 15:25
S36	393	"433".clas. and ((sonic ultrasonic megasonic acoustic vibrat\$4) same (light UV ultraviole IR infrared))	US-PGPUB; USPAT	OR	ON	2010/08/23 15:25
S37	736	(disinfect\$4 kill\$4 steriliz\$4 microorganism44 bacteria) and ((UV ultraviolet infrared IR laser) with quartz with (liquid water solution fluid))	US-PGPUB; USPAT	OR	ON	2010/08/23 15:25
S38	512	S35 not (S36 S37)	US-PGPUB; USPAT	OR	ON	2010/08/23 15:25
S39	1	"20010037819".PN.	US-PGPUB; USPAT	OR	ON	2010/08/23 15:51
S40	26	(US-20090000639-\$ or US-20070272877-\$ or US-20050032017-\$ or US-20050229946-\$ or US-20050205109-\$ or US-20060234185-\$ or US-20040259053-\$ or US-20030232303-\$ or US-20030050674-\$ or US-20030153961-\$ or US-20060104859-\$ or US-20030084916-\$ or US-20010037819-\$ or US-20060081275-\$ or US-20040200515-\$).did. or (US-7683344-\$ or US-7104794-\$ or US-6517635-\$ or US-4718974-\$ or US-7150629-\$ or US-5795153-\$ or US-6810288-\$ or US-5374266-\$ or US-5324255-\$ or US-6619301-\$ or US-5449502-\$).did.	US-PGPUB; USPAT	OR	ON	2010/08/23 18:05
S41	1	"6517635".PN.	US-PGPUB; USPAT	OR	ON	2010/08/24 08:21
S42	55	"134".clas. and ozone and (pulsed with continuous)	US-PGPUB; USPAT	OR	ON	2010/08/24 09:55
S43	190	(ozone with clean\$4) and (pulsed with continuous)	US-PGPUB; USPAT	OR	ON	2010/08/24 10:37
S44	3141	(ultrasonic with pulsed)	US-PGPUB; USPAT	OR	ON	2010/08/24 10:37
S45	20	"134".clas. and (ultrasonic with pulsed)	US-PGPUB; USPAT	OR	ON	2010/08/24 10:38
S46	36	"134".clas. and (ozone with (water liquid)) and (pulsed with continuous)	US-PGPUB; USPAT	OR	ON	2010/08/24 10:45
S47	6	"134".clas. and (ozone with (water liquid)) and (266nm "266 nm" "355 nm" 355nm)	US-PGPUB; USPAT	OR	ON	2010/08/24 10:51
S49	10	"134".clas. and ("ozone" "O.sub.3") and (266nm "266 nm" "355 nm" 355nm)	US-PGPUB; USPAT	OR	ON	2010/08/24 10:54
S50	4	S49 not S47	US-PGPUB; USPAT	OR	ON	2010/08/24 10:54
S51	163	(clean\$4 with substrate) and ("ozone" "O. sub.3") and (266nm "266 nm" "355 nm" 355nm)	US-PGPUB; USPAT	OR	ON	2010/08/24 11:01

## EAST Search History (Prior Art)

S52	153	S51 not S49	US-PGPUB; USPAT	OR	ON	2010/08/24 11:01
S53	32	"134".clas. and ((generat\$4 with active) same (UV ultraviolet))	US-PGPUB; USPAT	OR	ON	2010/08/24 11:13
S54	1	"6517635".PN.	US-PGPUB; USPAT	OR	ON	2010/08/24 11:21
S55	1	"6517635".PN. and (ozone wash\$4 clean\$4 twelfth thirteenth sixteenth eightteenth nineteenth quartz)	US-PGPUB; USPAT	OR	ON	2010/08/24 11:24
S56	1	"20010037819".PN. and (ozone wash\$4 clean\$4 twelfth thirteenth sixteenth eightteenth nineteenth quartz)	US-PGPUB; USPAT	OR	ON	2010/08/24 11:43
S57	1	"20010037819".PN. and (wash\$4 clean\$4)	US-PGPUB; USPAT	OR	ON	2010/08/24 13:27
S58	1	"20010037819".PN. and (light)	US-PGPUB; USPAT	OR	ON	2010/08/24 13:45
S59	1	"20010037819".PN. and mov\$4	US-PGPUB; USPAT	OR	ON	2010/08/24 15:58
S60	10	"134".clas. and ((laser with monitor) near10 (adjust\$4 control\$4))	US-PGPUB; USPAT	OR	ON	2010/08/28 11:18
S61	14	"134".clas. and ((laser with monitor\$4) near10 (adjust\$4 control\$4))	US-PGPUB; USPAT	OR	ON	2010/08/28 11:19
S62	1	"20010037819".PN.	US-PGPUB; USPAT	OR	ON	2011/05/04 14:19
S63	1	"20090000639".PN.	US-PGPUB; USPAT	OR	ON	2011/05/04 15:10
S64	1	"20090000639".PN. and pip\$4	US-PGPUB; USPAT	OR	ON	2011/05/04 15:11
S65	0	2002-542919	JPO	OR	ON	2011/05/04 15:22
S70	2	("5200156" "5964749").PN.	US-PGPUB; USPAT	OR	ON	2011/05/04 15:55
S71	1	"20010037819".PN.	US-PGPUB; USPAT	OR	ON	2011/05/05 09:29
S72	1	"20090000639".PN.	US-PGPUB; USPAT	OR	ON	2011/05/05 12:48
S73	0	"20090000639".PN. and ultraviolet and UV and puls\$4 and continuous	US-PGPUB; USPAT	OR	ON	2011/05/05 12:50
S74	0	"20090000639".PN. and ultraviolet and puls\$4 and continuous	US-PGPUB; USPAT	OR	ON	2011/05/05 12:50
S75	1	"20090000639".PN. and puls\$4 and continuous	US-PGPUB; USPAT	OR	ON	2011/05/05 12:50
S76	1	"20090000639".PN. and puls\$4 and continuous and UV	US-PGPUB; USPAT	OR	ON	2011/05/05 12:50
S77	3	"134".clas. and (puls\$4 with (continuous CW) with combin\$4)	US-PGPUB; USPAT	OR	ON	2011/05/05 12:52

## EAST Search History (Prior Art)

S78	1249	(puls\$4 with (continuous CW) with combin\$4)	US-PGPUB; USPAT	OR	ON	2011/05/05 12:54
S79	426	((puls\$4 with (continuous CW) with combin\$4) same laser)	US-PGPUB; USPAT	OR	ON	2011/05/05 12:54
S80	57	((puls\$4 with (continuous CW) with combin\$4) same laser) and ((clean\$4 wash\$4) with (substrate wafer semiconductor))	US-PGPUB; USPAT	OR	ON	2011/05/05 12:54
S81	57	S80 not S77	US-PGPUB; USPAT	OR	ON	2011/05/05 12:55
S82	48	"134".clas. and (puls\$4 same excimer) and ((clean\$4 wash\$4) with (substrate wafer semiconductor))	US-PGPUB; USPAT	OR	ON	2011/05/05 13:29
S83	46	"134".clas. and ((continuous CS) same excimer) and ((clean\$4 wash\$4) with (substrate wafer semiconductor))	US-PGPUB; USPAT	OR	ON	2011/05/05 13:29
S84	11	"134".clas. and ((continuous CW) same excimer) and ((clean\$4 wash\$4) with (substrate wafer semiconductor))	US-PGPUB; USPAT	OR	ON	2011/05/05 13:31
S85	65	"134".clas. and ((continuous CW) same (ultraviolet UV)) and ((clean\$4 wash\$4) with (substrate wafer semiconductor))	US-PGPUB; USPAT	OR	ON	2011/05/05 13:36
S86	59	S85 not S84	US-PGPUB; USPAT	OR	ON	2011/05/05 13:36

## EAST Search History (Interference)

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